

Claim 33

- (a) treating the plant or animal tissue with at least one photo-active agent, wherein the particular volume of the plant or animal tissue retains at least a portion of the at least one photo-active agent; and
- (b) treating the particular volume of the plant or animal tissue with light to promote a substantially simultaneous multi-photon photoactivation of said at least one photo-active agent retained in the particular volume of the plant or animal tissue, wherein the at least one excited photo-active agent becomes photo-activated in the particular volume of the plant or animal tissue.

Claim 34

Claim 34 (Amended). A method for producing at least one photo-activated agent in a particular volume of a material, the method comprising treating the particular volume of the material with light to promote a substantially simultaneous multi-photon excitation of at least one photo-active agent contained in the particular volume of the material, wherein the at least one photo-active agent becomes a photo-activated agent in the particular volume of the material.

Claim 35

Claim 35 (Amended). A method for the medical treatment of a particular volume of tissue wherein the tissue includes at least one photo-active agent, the method comprising the steps of:
directing light to specific regions of interest within the tissue, including regions substantially below a tissue surface, said light being selected to penetrate the tissue and to promote multi-photon excitation substantially only at a focal zone;
controlling the location of said focal zone over a range of depths within said tissue; and